



STATE MINING AND GEOLOGY BOARD

EXECUTIVE OFFICER'S REPORT



ARNOLD
SCHWARZENEGGER
GOVERNOR

For Meeting Date: November 12, 2009

Agenda Item No. 5: Acceptance of Recommendations for Designation of Mineral Lands for Aggregate Materials in the Bakersfield Production-Consumption Region, Kern County, California.

INTRODUCTION: At its October 8, 2009, regular business meeting, the State Mining and Geology Board (SMGB) accepted California Geological Survey (CGS) Special Report 210 for Update of Mineral Land Classification, Aggregate Materials in the Bakersfield Production-Consumption Region, Kern County, California. Consideration of designation of mineral lands typically follows classification. The SMGB, based on recommendations from the State Geologist, considers areas to be designated. The State Geologist has recommended designation of select mineral resource lands in the Bakersfields Production-Consumption (P-C) Region, Kern County. Upon acceptance of the State Geologist's recommendations, the Executive Officer can be directed to hold a public hearing to receive comments on the proposed action.

STATUTORY ASPECTS: The SMGB's statutory authority to incorporate mineral lands classification information into state policy is provided pursuant to Division 2, Chapter 9, Article 4, State Policy for the Reclamation of Mined Lands, Public Resources Code (PRC) Section 2761(a), which states:

"On or before January 1, 1977, and, as a minimum, after the completion of each decennial census, the Office of Planning and Research shall identify portions of the following areas within the state which are urbanized or are subject to urban expansion or other irreversible land uses which would preclude mineral extraction:

(1) Standard metropolitan statistical areas and such other areas for which information is readily available.

(2) Other areas as may be requested by the board.

(b) In accordance with a time schedule, and based upon guidelines adopted by the board, the State Geologist shall classify, on the basis solely of geologic factors, and without regard to existing land use and land ownership, the areas identified by the Office of Planning and Research, any area for which classification has been requested by a petition which has been accepted by the board, or any other areas as may be specified by the board, as one of the following:

(1) Areas containing little or no mineral deposits.

(2) Areas containing significant mineral deposits.



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(3) Areas containing mineral deposits, the significance of which requires further evaluation.

The State Geologist shall require the petitioner to pay the reasonable costs of classifying an area for which classification has been requested by the petitioner.

(c) The State Geologist shall transmit the information to the board for incorporation into the state policy and for transmittal to lead agencies.”

The SMGB’s statutory authority to consider areas for designation is provided pursuant to Division 2, Chapter 9, Article 6, Areas of Statewide or Regional Significance, PRC Section 2790, which states:

“After receipt of mineral information from the State Geologist pursuant to subdivision (c) of Section 2761, the board may by regulation adopted after a public hearing designate specific geographical areas of state as areas of statewide or regional significance and specify the boundaries thereof. Such designation shall be included as a part of the state policy and shall indicate the reason for which the particular area designated is of significance to the state or region, the adverse effects that might result from premature development of incompatible land uses, the advantages that might be achieved from extraction of the minerals of the area, and the specific goals and policies to protect against the premature incompatible development of the area.”

The statutory authority which allows the SMGB to terminate, in whole or in part, an area previously designated is provided pursuant to PRC Section 2793 which states:

“The board may, by regulation adopted after a public hearing, terminate, partially or wholly, the designation of any area of statewide or regional significance on a finding that the direct involvement of the board is no longer required.”

BACKGROUND: Designation is the formal recognition by the SMGB of lands containing mineral resources of regional or statewide economic significance that are needed to meet the demands of the future. At its October 8, 2009, regular business meeting, the SMGB accepted CGS Special Report 210 titled “*Update of Mineral Land Classification, Aggregate Materials in the Bakersfield P-C Region, Kern County, California*” (Busch, 2009). This report updated information on portland cement concrete (PCC) aggregate in the original classification study of the Bakersfield Production - Consumption Region published in 1988 by CGS as Special Report 147 titled “*Mineral Land Classification: Aggregate Materials in the Bakersfield Production-Consumption Region, Riverside County, California*” (Cole, 1988).



Special Report 147 identified 19,491 acres of land containing approximately 5.3 billion tons of PCC-grade aggregate resources. The reevaluation and update in Special Report 210 identifies 20,193 acres of land containing an estimated 4.4 billion tons of PCC-grade aggregate resources; this includes an additional 2,456 acres of newly identified land containing an estimated 442 million tons of PCC-grade resources in areas adjacent to the Bakersfield P-C Region (Sectors I, J and K). The areas are identified as Candidate Sectors A through K (in 62 individual sectors and sub-sectors).

The publication of Special Report 147, and its update Special Report 210, accomplish part-one of the two-part *Classification-Designation process*. Part-two of the two-step process, designation, is the formal recognition by the SMGB of lands containing mineral resources of regional or statewide economic significance needed to meet the demands of the future. In the years since the original publication of Special Report 147, the designation process has not yet been completed.

The State Geologist has recommended several candidates, or areas, which meet or exceed the SMGB's threshold economic value, thus, each area may be considered for designation as an area of regional or statewide significance by the SMGB. These areas include candidate Sectors A through K (and their subsectors) as lands containing construction aggregate resources of regional or statewide significance.

CANDIDATE AREAS FOR DESIGNATION: The candidate areas for designation are shown on two Plates: Plate 1, *Candidate Areas for Designation in the Bakersfield Production-Consumption (P-C) Region, Kern County California, Northern Area*; and Plate 2, *Candidate Areas for Designation in the Bakersfield Production-Consumption (P-C) Region, Kern County California, Southern Area*. A description of each candidate Sector is given below and summarized on Table 1.



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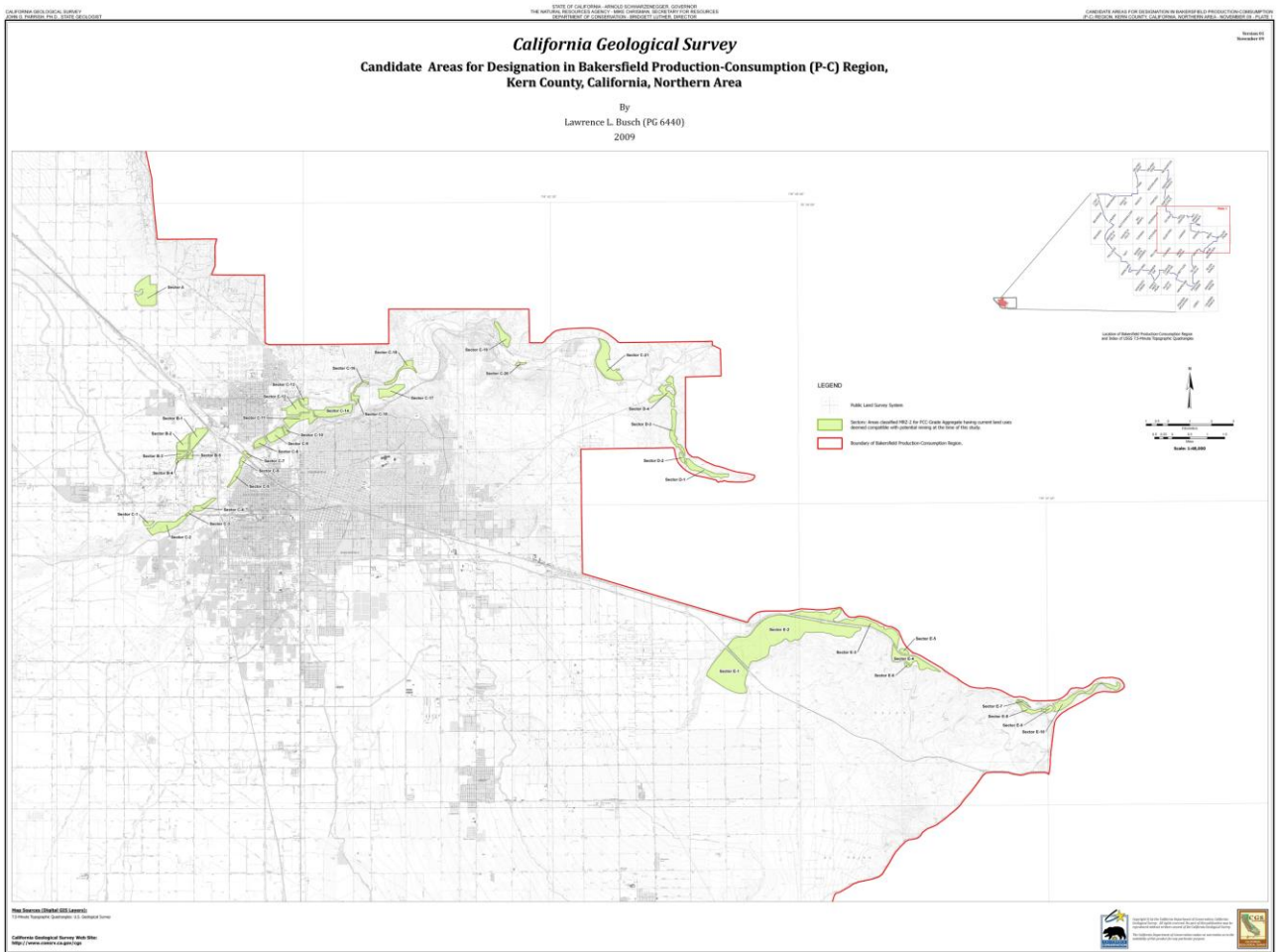


Plate 1.

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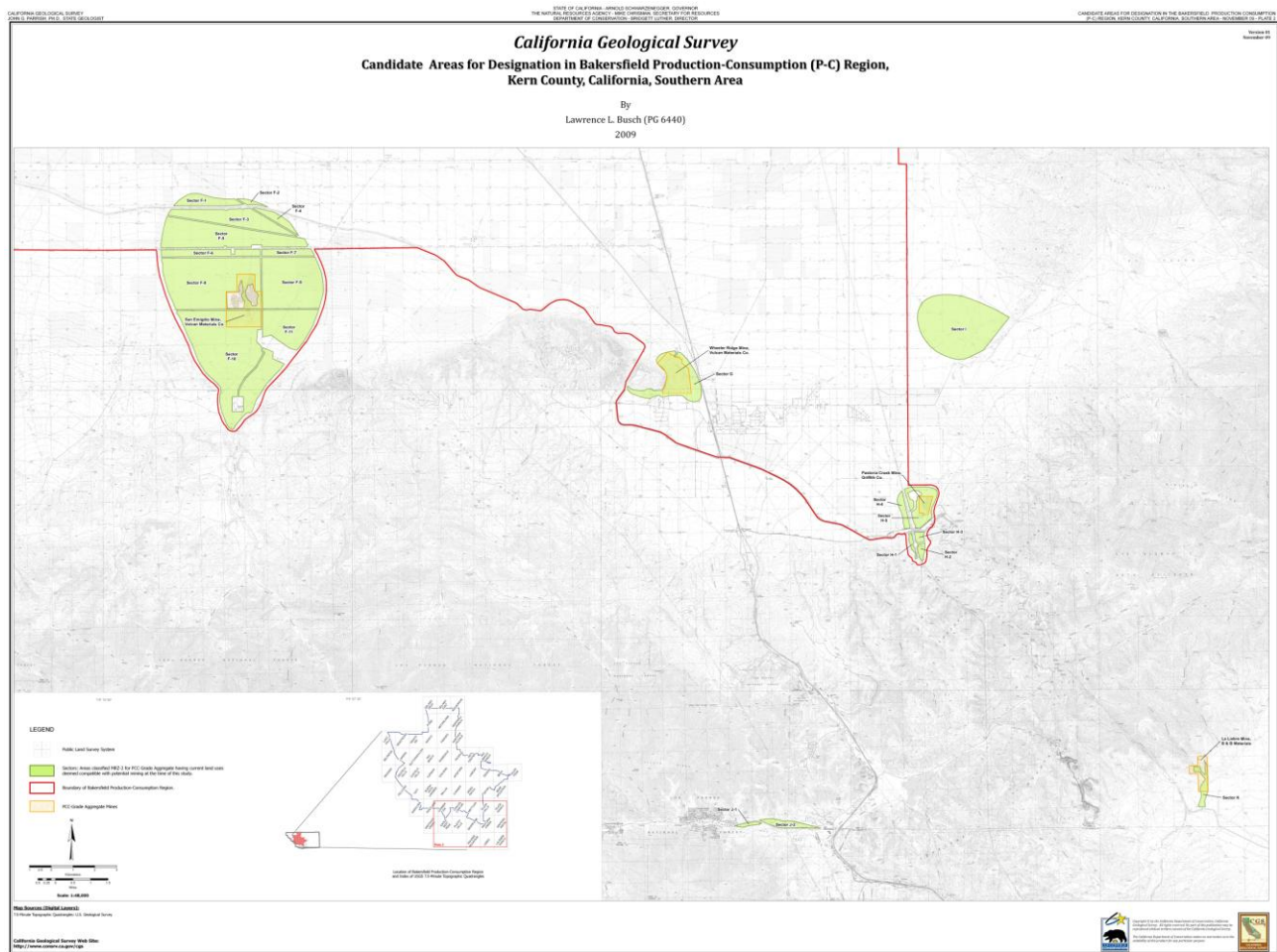


Plate 2.

Table 1
Tabulated List of Candidate Sectors

Sector	Acres	Location	Lead Agency
A	247	Sections 28 and 29, T28S, R27E, MDBM. North of Bakersfield, west of State Route 65, south of James Rd.	Kern County
B-1	108	Sections 14 and 15, T29S, R27E, MDBM. Northwest of Bakersfield, north of State Route 58 and west of Highway 99.	City of Bakersfield, Kern County
B-2	70	Section 15, T29S, R27E, MDBM. West of Highway 99 and north of State Route 58.	City of Bakersfield
B-3	24	Section 22, T29S, R27E, MDBM. West of Highway 99 and north of State Route 58.	City of Bakersfield
B-4	14	Section 22, T29S, R27E, MDBM. West of Highway 99 and north of State Route 58.	City of Bakersfield
B-5	15	Section 22, T29S, R27E, MDBM. West of Highway 99 and north of State Route 58.	Kern County
C-1	20	Sections 33, T29S, R27E, MDBM. North of Kern River. West of Highway 99 and south of State Route 58.	City of Bakersfield
C-2	149	Sections 27, 33 and 34, T29S, R27E, MDBM. Kern River. West of Highway 99 and south of State Route 58.	City of Bakersfield
C-3	8	Sections 27, T29S, R27E, MDBM. Kern River. West of Highway 99 and south of State Route 58.	City of Bakersfield
C-4	51	Sections 26 and 27, T29S, R27E, MDBM. Kern River. West of Highway 99 and south of State Route 58.	City of Bakersfield
C-5	36	Sections 23, 24 and 26, T29S, R27E, MDBM. Kern River. East of Highway 99 and west of State Route 204.	City of Bakersfield
C-6	18	Section 24, T29S, R27E, MDBM. Kern River. East of Highway 99 and west of State Route 204.	City of Bakersfield
C-7	14	Sections 13 and 24, T29S, R27E, MDBM. Kern River. East of State Route 204 and west of Chester Ave.	City of Bakersfield
C-8	46	Sections 13, T29S, R27E, MDBM, and Section 18, T29S, R28E, MDBM Kern River. East of State Route 204 and west of Chester Ave.	City of Bakersfield
C-9	85	Section 18, T29S, R28E, MDBM. Kern River. East of Chester Avenue and west of Manor St.	City of Bakersfield
C-10	15	Section 18 T29S, R28E MDBM. Kern River. East of Chester Avenue and west of Manor St.	City of Bakersfield
C-11	124	Sections 8, 17 and 18, T29S, R28E, MDBM. Kern River. East of Manor St.	City of Bakersfield, Kern County
C-12	104	Section 7 and 8, T29S, R28E, MDBM. North of Kern River. East of Manor St.	Kern County



Sector	Acres	Location	Lead Agency
C-13	26	Section 8, T29S, R28E, MDBM. North of Kern River. East of Manor St.	Kern County
C-14	163	Sections 8, 9, 16 and 17, T29S, R28E, MDBM. Kern River. East of Manor St.	City of Bakersfield, Kern County
C-15	32	Section 9, T29S, R28E, MDBM. Kern River. East of Manor St.	City of Bakersfield, Kern County
C-16	12	Section 9, T29S, R28E, MDBM. Kern River. West of China Grade Bridge.	City of Bakersfield
C-17	101	Section 10, T29S, R28E, MDBM. South of Kern River. North of Alfred Harrell Highway.	Kern County
C-18	70	Sections 2, 3 and 10, T29S, R28E, MDBM. Kern River. South of Round Mountain Rd.	City of Bakersfield, Kern County
C-19	80	Sections 36, T28S, R28E, MDBM, Section 31, T28S, R29E, MDBM, and Section 6, T29S, R29E, MDBM. Northeast of Kern River. East of Hart Memorial Park.	Kern County
C-20	11	Section 5, T29S, R29E, MDBM. South of Kern River. North of Alfred Harrell Highway.	Kern County
C-21	253	Sections 33 and 34, T28S, R29E, MDBM, and Sections 2, 3, 10 and 11, T29S, R29E, MDBM. North of Kern River. East of Kern River Golf Course.	City of Bakersfield, Kern County
D-1	105	Sections 19 and 20, T29S, R30E, MDBM. Cottonwood Creek. South of Breckenridge Road.	Kern County
D-2	19	Section 24, T29S, R29E, MDBM. Cottonwood Creek. South of Breckenridge Road.	Kern County
D-3	101	Sections 12, 13 and 24, T29S, R29E, MDBM. Cottonwood Creek. South of State Route 178.	City of Bakersfield, Kern County
D-4	131	Sections 1, 11 and 12, T29S, R29E, MDBM. Cottonwood Creek. South of State Route 178, north of Breckenridge Road.	City of Bakersfield
E-1	572	Sections 17, 18, 19 and 20, T30S, R30E, MDBM. Caliente Creek. South of State Route 58.	Kern County
E-2	1330	Sections 9, 10, 14, 15, 16, 17, 20 and 21, T30S, R30E, MDBM. Projected – Rancho El Tejon. Caliente Creek, north of State Route 58.	Kern County
E-3	357	Sections 9, 10, 11, 12, 13 and 14, T30S, R30E, MDBM. Projected – in Rancho El Tejon. Caliente Creek, north of Bena Road.	Kern County
E-4	171	Sections 13 and 24, T30S, R30E, MDBM, and Sections 18, 19 and 20, T30S, R31E, MDBM. Projected – in Rancho El Tejon. Caliente Creek, north of Bena Road.	Kern County



Sector	Acres	Location	Lead Agency
E-5	18	Sections 13, T30S, R30E, MDBM, and Section 18, T30S, R31E, MDBM. Projected – in Rancho El Tejon. Caliente Creek, north of Bena Road.	Kern County
E-6	8	Section 19, T30S, R31E, MDBM. Projected – in Rancho El Tejon. Caliente Creek south of Bena Road.	Kern County
E-7	11	Section 27, T30S, R31E, MDBM. Caliente Creek west of Caliente.	Kern County
E-8	45	Section 27, T30S, R31E, MDBM. Caliente Creek west of Caliente.	Kern County
E-9	24	Section 26, T30S, R31E, MDBM. Caliente Creek south of Caliente.	Kern County
E-10	149	Sections 24, 25 and 26, T30S, R31E, MDBM, and Section 19, T30S, R32E, MDBM. Caliente Creek east of Caliente.	Kern County
F-1	289	Sections 34, 35, and 36, T12N, R22W, SBBM, and Sections 1, 2 and 3, T11N, R22W, SBBM. San Emigdio Creek. North of California Aqueduct.	Kern County
F-2	44	Section 36, T12N, R22W, SBBM, Section 6, T11N, R21W, SBBM, and Section 1, T11N, R22W, SBBM. San Emigdio Creek. North of California Aqueduct.	Kern County
F-3	782	Sections 1, 2 and 3, T11N, R22W, SBBM, and Section 5 and 6, T11N, R21W, SBBM. San Emigdio Creek. South of California Aqueduct, north of State Route 166.	Kern County
F-4	142	Sections 1, T11N, R22W, SBBM, and Sections 5 and 6, T11N, R21W, SBBM. San Emigdio Creek. South of California Aqueduct, north of State Route 166.	Kern County
F-5	1,468	Sections 1, 2, 3, 10, 11 and 12, T11N, R22W, SBBM and Sections 5, 6, 7 and 8, T11N, R21W, SBBM. San Emigdio Creek. South of California Aqueduct, north of State Route 166.	Kern County
F-6	347	Sections 10, 11 and 12, T11N, R22W, SBBM. San Emigdio Creek. South of State Route 166.	Kern County
F-7	183	Sections 7 and 8, T11N, R21W, SBBM. San Emigdio Creek. South of State Route 166.	Kern County
F-8	2,254	Sections 10, 11, 12, 13, 14 and 15, T11N, R22W, SBBM. San Emigdio Creek. South of State Route 166.	Kern County
F-9	1,566	Sections 7, 8, 17 and 18, T11N, R21W, SBBM. San Emigdio Creek. South of State Route 166.	Kern County
F-10	3,356	Sections 22, 23, 24, 25, 26, 35 and 36, T11N, R22W SBBM, Sections 30 and 31, T11N, R21W, SBBM and Sections 1 and 2 T10N, R22W SBBM. San Emigdio Creek. South of State Route 166.	Kern County
F-11	840	Sections 19, 20, 29 and 30, T11N, R21W, SBBM. San Emigdio Creek. South of State Route 166.	Kern County



Sector	Acres	Location	Lead Agency
G	882	Sections 25, 35, 36, T11N, R20W, SBBM, and Sections 30 and 31 T11N, R19W SBBM. Wheeler Ridge. West of Highways I-5 and 99.	Kern County
H-1	35	Sections 18 and 19, T10N, R18W, SBBM. Projected – in Rancho El Tejon. Pastoria Creek, south of California Aqueduct and Edmonston Pumping Plant Road.	Kern County
H-2	48	Section 19, T10N, R18W, SBBM Projected – in Rancho El Tejon. Pastoria Creek, south of California Aqueduct and Edmonston Pumping Plant Road.	Kern County
H-3	47	Sections 18 and 19, T10N, R18W, SBBM, Projected – in Rancho El Tejon. Pastoria Creek, south of California Aqueduct and Edmonston Pumping Plant Road.	Kern County
H-4	108	Sections 12 and 13 T10N, R19W, SBBM, and Section 18, T10N, R18W, SBBM. Projected – in Rancho El Tejon. Pastoria Creek, north of California Aqueduct and Edmonston Pumping Plant Road.	Kern County
H-5	409	Sections 12 and 13, T10N, R19W, SBBM, and Sections 7 and 18, T10N, R18W, SBBM. Projected – in Rancho El Tejon. Pastoria Creek, north of California Aqueduct and Edmonston Pumping Plant Road.	Kern County
I	2,151	Sections 16, 17, 18, 19, 20, 21, 28, 29 and 30, T11N R18W, SBBM. El Paso Creek. East of Rancho Drive, south of Sebastian Road.	Kern County
J-1	35	Sections 31 and 32, T9N, R19W, SBBM. Cuddy Creek. East of Frazier Park, south of Frazier Mountain Park Road, west of Highway I-5.	Kern County
J-2	145	Sections 32 and 33, T9N, R19W, SBBM. Cuddy Creek. East of Frazier Park, north of Frazier Mountain Park Road, west of Highway I-5.	Kern County
K	125	Sections 29 and 32, T9N, R17W, SBBM. La Liebre Ranch, Little Sycamore Canyon.	Kern County

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CANDIDATE AREAS FOR DESIGNATION

Each Sector, or group of Sectors, described below, meets or exceeds the Board's threshold economic value, and each Sector may be considered for designation as an area of regional or statewide significance by the Board pursuant to Article 6, Section 2790 *et seq.* (SMARA).

Candidate Sectors for Designation:

Candidate Sector A – Deposits of the James Road Resource Area, five miles north of Bakersfield and southwest of the intersection of James Road and State Highway 65, are in a small alluvial fan composed of reworked sediments derived from older alluvial fan deposits and the Kern River Formation. (Plate 1)

Candidate Sector A (247 acres) is in Sections 28 and 29, T28S, R27E, MDBM, five miles north of Bakersfield, west of State Route 65 and southwest of the intersection of James Road and State Route 65.

Candidate Sector Group B – Deposits of the Kern River floodplain and alluvial fan, north of State Route 58 (Rosedale Highway) and west of Highway 99. Sector B is divided into five subsectors identified as B-1 through B-5. The combined area of the subsectors of Sector B is 231 acres. (Plate 1)

Candidate Sector B-1 (108 acres) is in Sections 14 and 15, T29S, R27E, MDBM, northwest of Bakersfield, north of State Route 58 and west of Highway 99.

Candidate Sector B-2 (70 acres) is in Section 15, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.



Candidate Sector B-3 (24 acres) is in Section 22, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.

Candidate Sector B-4 (14 acres) is in Section 22, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.

Candidate Sector B-5 (15 acres) is in Section 22, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.

Candidate Sector Group C – Deposits of the Kern River floodplain along the main course of the Kern River from Coffee Road east to Rio Bravo Ranch. Sector C is divided into 21 subsectors identified as C-1 through C-21. The combined area of Group C subsectors is 1,418 acres. (Plate 1)

Candidate Sector C-1 (20 acres) is in Section 33, T29S, R27E, MDBM, north of Kern River, west of Highway 99 and south of State Route 58.

Candidate Sector C-2 (149 acres) is in Sections 27, 33 and 34, T29S, R27E, MDBM, west of Highway 99 and south of State Route 58.

Candidate Sector C-3 (8 acres) is in Section 27, T29S, R27E, MDBM, west of Highway 99 and south of State Route 58.

Candidate Sector C-4 (51 acre) is in Sections 26 and 27, T29S, R27E, MDBM, west of Highway 99 and south of State Route 58.

Candidate Sector C-5 (36 acres) is in Sections 23, 24 and 26, T29S, R27E, MDBM, east of Highway 99 and west of State Route 204.

Candidate Sector C-6 (18 acres) is in Section 24, T29S, R27E, MDBM, east of Highway 99 and west of State Route 204.

Candidate Sector C-7 (14 acres) is in Sections 13 and 24, T29S, R27E, MDBM, east of State Route 204 and west of Chester Ave.

Candidate Sector C-8 (46 acres) is in Section 13, T29S, R27E, MDBM, and Section 18, T29S, R28E, MDBM, east of State Route 204 and west of Chester Ave.

Candidate Sector C-9 (85 acres) is in Section 18, T29S, R28E, MDBM, east of Chester Avenue and west of Manor St.



Candidate Sector C-10 (15 acres) is in Section 18, T29S, R28E MDBM, east of Chester Avenue and west of Manor St.

Candidate Sector C-11 (124 acres) is in Sections 8, 17 and 18, T29S, R28E, MDBM, east of Manor St.

Candidate Sector C-12 (104 acres) is in Sections 7 and 8, T29S, R28E, MDBM, north of Kern River and East of Manor St.

Candidate Sector C-13 (26 acres) is in Section 8, T29S, R28E, MDBM, north of Kern River, east of Manor Street.

Candidate Sector C-14 (163 acres) is in Sections 8, 9, 16 and 17, T29S, R28E, MDBM. Kern River, east of Manor St.

Candidate Sector C-15 (32 acres) is in Section 9, T29S, R28E, MDBM. Kern River, east of Manor St.

Candidate Sector C-16 (12 acres) is in Section 9, T29S, R28E, MDBM. Kern River, west of China Grade Bridge.

Candidate Sector C-17 (101 acres) is in Section 10, T29S, R28E, MDBM, south of Kern River and north of Alfred Harrell Highway.

Candidate Sector C-18 (70 acres) is in Sections 2, 3 and 10, T29S, R28E, MDBM. Kern River, south of Round Mountain Rd.

Candidate Sector C-19 (80 acres) is in Section 36, T28S, R28E, MDBM, Section 31, T28S, R29E, MDBM, and Section 6, T29S, R29E MDBM, northeast of Kern River and east of Hart Memorial Park.

Candidate Sector C-20 (11 acres) is in Section 5, T29S, R29E, MDBM, south of Kern River and north of Alfred Harrell Highway.

Candidate Sector C-21 (253 acres) is in Sections 33 and 34, T28S, R29E, MDBM, and Sections 2, 3, 10 and 11, T29S, R29E, MDBM, north of Kern River and east of Kern River Golf Course.



Candidate Sector Group D – Deposits of the floodplain and alluvial fan of Cottonwood Creek, ten miles east of Bakersfield, south of State Highway 178. Sector D is divided into four subsectors identified as D-1 through D-4. The combined area of the subsectors is 356 acres. (Plate 1)

Candidate Sector D-1 (105 acres) is in Sections 19 and 20, T29S, R30E, MDBM. Cottonwood Creek, south of Breckenridge Road.

Candidate Sector D-2 (19 acres) is in Section 24, T29S, R29E, MDBM. Cottonwood Creek, south of Breckenridge Road.

Candidate Sector D-3 (101 acres) is in Sections 12, 13 and 24, T29S, R29E, MDBM. Cottonwood Creek, south of State Route 178.

Candidate Sector D-4 (131 acres) is in Sections 1, 11 and 12,, T29S, R29E, MDBM. Cottonwood Creek, south of State Route 178 and north of Breckenridge Road.

Candidate Sector Group E – Deposits of the floodplain of Caliente Creek, 15 to 20 miles east of Bakersfield, north of State Highway 58. Sector E is divided into 10 subsectors identified as E-1 through E-10. The combined area of the subsectors is 2,685 acres. (Plate 1)

Candidate Sector E-1 (572 acres) is in Sections 17, 18, 19 and 20, T30S, R30E, MDBM. Caliente Creek, south of State Route 58.

Candidate Sector E-2 (1,330 acres) is in Sections 9, 10, 14, 15, 16, 17, 20 and 21, T30S, R30E, MDBM (Rancho El Tejon). Caliente Creek, north of State Route 58.

Candidate Sectors E-3 (357 acres) is in Sections 9, 10, 11, 12, 13 and 14, T30S, R30E, MDBM (Rancho El Tejon). Caliente Creek, north of Bena Road.

Candidate Sector E-4 (171 acres) is in Sections 13 and 24, T30S, R30E, MDBM, and Sections 18, 19 and 20, T30S, R31E, MDBM (Rancho El Tejon). Caliente Creek, north of Bena Road.

Candidate Sector E-5 (18 acres) is in Sections 13, T30S, R30E, MDBM, and Section 18 T30S, R31E, MDBM (Rancho El Tejon). Caliente Creek, north of Bena Road.

Candidate Sector E-6 (8 acres) is in Section 19, T30S, R31E, MDBM (Rancho El Tejon). Caliente Creek, south of Bena Road.



Candidate Sector E-7 (11 acres) is in Section 27, T30S, R31E, MDBM. Caliente Creek, west of Caliente.

Candidate Sector E-8 (45 acres) is in Section 27, T30S, R31E, MDBM. Caliente Creek, west of Caliente.

Candidate Sector E-9 (24 acres) is in Section 26, T30S, R31E, MDBM. Caliente Creek, south of Caliente.

Candidate Sector E-10 (149 acres) is in Sections 24, 25 and 26, T30S, R31E, MDBM, and Section 19, T30S, R32E, MDBM. Caliente Creek, east of Caliente.

Candidate Sector Group F – Deposits of the alluvial fan of San Emigdio Creek, 25 miles southwest of Bakersfield, north and south of State Highway 166. Sector F is divided into eleven subsectors identified as F-1 through F-11. The combined area of the subsectors is 11,271 acres. (Plate 2)

Candidate Sector F-1 (289 acres) is in Sections 34, 35, and 36, T12N, R22W, MDBM, and Sections 1, 2 and 3, T11N, R22W, SBBM. San Emigdio Creek, north of the California Aqueduct.

Candidate Sector F-2 (44 acres) is in Section 36, T12N, R22W, SBBM, Section 6, T11N, R21W, SBBM, and Section 1 T11N, R22W, SBBM. San Emigdio Creek, north of the California Aqueduct.

Candidate Sector F-3 (782 acres) is in Sections 1, 2 and 3, T11N, R22W, SBBM, and Sections 5 and 6, T11N, R21W, SBBM. San Emigdio Creek, south of the California Aqueduct and north of State Route 166.

Candidate Sector F-4 (142 acres) is in Section 1 T11N, R22W, SBBM, and Sections 5 and 6, T11N, R21W, SBBM. San Emigdio Creek, south of the California Aqueduct and north of State Route 166.

Candidate Sector F-5 (1,468 acres) is in Sections 1, 2, 3, 10, 11, and 12, T11N, R22W, SBBM, and Sections 5, 6, 7 and 8, T11N, R21W, SBBM. San Emigdio Creek south of the California Aqueduct and north of State Route 166.

Candidate Sector F-6 (347 acres) is in Sections 10, 11 and 12, T11N, R22W, SBBM. San Emigdio Creek, south of State Route 166.



Candidate Sector F-7 (183 acres) is in Sections 7 and 8, T11N, R21W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-8 (2,254 acres) is in Sections 10, 11, 12, 13, 14 and 15, T11N, R22W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-9 (1,566 acres) is in Sections 7, 8, 17 and 18, T11N, R21W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-10 (3,356 acres) is in Sections 22, 23, 24, 25, 26, 35 and 36, T11N, R22W, SBBM, Sections 30 and 31, T11N, R21W, and Sections 1 and 2, T10N, R22W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-11 (840 acres) is in Sections 19, 20, 29 and 30, T11N, R21W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector G – Deposits of Wheeler Ridge, 25 miles south of Bakersfield, west of Interstate Highway 5, and south of State Highway 166. The deposits are in an uplifted ridge of Pleistocene sand and gravel of the Tulare Formation. The area of Sector G is 882 acres. (Plate 2)

Candidate Sector G (882 acres) is in Sections 25, 35, and 36, T11N, R20W, SBBM and Sections 30 and 31, T11N, R19W, SBBM, at Wheeler Ridge, west of Highways I-5 and 99.

Candidate Sector Group H – Deposits of the alluvial fan of Pastoria Creek, 30 miles southeast of Bakersfield, and north of Edmonston Pumping Plant Road. Sector H is divided into five subsectors identified as H-1 through H-5. The combined area of the subsectors is 467 acres. (Plate 2)

Candidate Sector H-1 (35 acres) is in Sections 18 and 19, T10N, R18W, SBBM, (projected – in Rancho El Tejon). Pastoria Creek, south of the California Aqueduct and Edmonston Pumping Plant Road.

Candidate Sector H-2 (48 acres) is in Section 19, T10N, R18W, SBBM, (projected – in Rancho El Tejon). Pastoria Creek, south of the California Aqueduct and Edmonston Pumping Plant Road.

Candidate Sector H-3 (47 acres) is in Sections 18 and 19, T10N, R18W, SBBM, (projected – in Rancho El Tejon). Pastoria Creek, south of the California Aqueduct and Edmonston Pumping Plant Road.



Candidate Sector H-4 (108 acres) is in Sections 12 and 13, T10N, R19W, SBBM, and Section 18 T10N, R18W, SBBM, (projected – Rancho El Tejon). Pastoria Creek, north of the California Aqueduct and Edmonston Pumping Plant Road.

Candidate Sector H-5 (409 acres) is in Sections 12 and 13, T10N, R19W, SBBM, and Sections 7 and 18, T10N, R18W, SBBM (projected – in Rancho El Tejon). Pastoria Creek, north of the California Aqueduct and Edmonston Pumping Plant Road.

Candidate Sector I – Deposits of the alluvial fan of El Paso Creek, 25 miles southeast of Bakersfield, east of Rancho Road and south of Sebastian Road. The area of Sector I is 2,151 acres. (Plate 2)

Candidate Sector I (2,151 acres) is in Sections 16, 17, 18, 19, 20, 21, 28, 29 and 30, T11N, R18W, SBBM. El Paso Creek east of Rancho Drive and south of Sebastian Road.

Candidate Sector Group J – Deposits of the floodplain of Cuddy Creek located 40 miles south of Bakersfield, along Frazier Mountain Park Road, two miles west of Interstate Highway 5. Sector J is divided into two subsectors identified as J-1 and J-2. The combined area of the subsectors is 180 acres. (Plate 2)

Candidate Sector J-1 (35 acres) is in Sections 31 and 32, T9N, R19W, SBBM. Cuddy Creek, east of Frazier Park, south of Frazier Mountain Park Road.

Candidate Sector J-2 (145 acres) is in Sections 32 and 33, T9N, R19W, SBBM. Cuddy Creek, east of Frazier Park, south of Frazier Mountain Park Road.

Candidate Sector K – Basement outcrops and the alluvial fan and floodplain of Little Sycamore Creek (La Liebre Ranch area), 40 miles southeast of Bakersfield, east of Interstate Highway 5 and north of State Highway 138. The area of Sector K is 125 acres. (Plate 2)

Candidate Sector K (125 acres) is in Sections 29 and 32, T9N, R17W, SBBM, (projected – in Rancho La Liebre), Little Sycamore Canyon.

REFERENCES:

Busch, Lawrence L., 2009, Update of Mineral Land Classification: Aggregate Materials in the Bakersfield Production-Consumption Region, Riverside County, California: California Geological Survey Special Report 210, 32 p., 3 plates.



Cole, Judy, W., 1988, Mineral Land Classification: Aggregate Materials in the Bakersfield Production-Consumption Region, Riverside County, California: Division of Mines and Geology Special Report 147, 27 p., 33 plates.

CONSIDERATIONS BEFORE THE SMGB: At this time, based on the update report by Busch (2009), the SMGB may consider the following options:

- (a) designate all, or portions, of the candidate Sectors with land uses considered compatible with mining, or
- (b) take no action

EXECUTIVE OFFICER'S RECOMMENDATION: The Executive Officer recommends that the SMGB accepts the State Geologist's recommendations of candidates for designation, and that the SMGB direct the Executive Officer to schedule a public hearing of the Mineral Resources and Geologic Resources Committee to allow for stakeholders and the public to offer comments on the proposed action(s).

SUGGESTED MOTION LANGUAGE:

To accept the State Geologist's recommendations:

Mr. Chairman, in light of the information before the State Mining and Geology Board today, I move to 1) accept the recommendations for designation of mineral lands set forth by the State Geologist of certain areas within the Bakersfield Production-Consumption Region, Kern County, California, and 2) direct the Executive Officer to schedule a public hearing of the Mineral Resources and Geologic Resources Committee to receive comments on the proposed action(s).

Respectfully submitted:

Stephen M. Testa
Executive Officer